TACPHOTO

TACTICAL INTELLIGENCE PHOTOGRAPHIC CAPABILITY

Briefed by

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POM-06 Command Element Advocacy Board (CEAB)

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REQUIREMENT DESCRIPTION: Provides an organic intelligence gathering general-purpose photographic/video collection capability at the tactical unit level. In an asymmetric environment, it is critical that the USMC intelligence community take advantage of every Marine's ability to contribute to the intelligence picture. Advances in technology have afforded the opportunity to make it economically feasible to equip most USMC tactical units with an Imagery Intelligence (IMINT) capability. The value of this capability relative to the cost makes this initiative highly desirable from a "benefit vs cost" perspective

CAPABILITY PROVIDED:. The TACPHOTO program is a family of three different configurations of digital cameras that provides the capability for Marines to collect critical digital imagery and video intelligence. The three separate configurations are necessary in order to satisfy the different requirements of the various MAGTF elements. The first configuration is a consumer grade high-end digital still camera with long-range telephoto and other special lenses. The second configuration is a consumer grade digital video camera that includes an adaptor that will couple the camera with the USMC organic AN/PVS-14 Night Vision Device (NVD). The third configuration is a low-end digital still camera that will also couple to the AN/PVS-14 NVD. TACPHOTO, family of digital still and video cameras allows the common Marine the capability to collect critical digital still and video imagery for the purpose of intelligence exploitation.

URGENCY TO COMPETE IN POM06: The events following 11 September 2001 have highlighted the requirement for an imagery collection capability that is currently not widely available to Marines. While national assets provide an overhead perspective, the ground level perspective provides the unique view required for the majority of ground-based operations. Once the imagery is captured, existing electronics communications channels can be utilized to disseminate still images as well as video files via intelligence databases, which Marines throughout the MAGTF can access.

STATUS OF REQUIREMENTS DOCUMENATION (ICD, CCD, MNS ORD, SON):

Commanding General (CG) Marine Corps Combat Development Command (MCCDC) issued a Statement of Need (SON) for the TACPHOTO capability on 26 November 2001.

TACPHOTO has been designated as an Abbreviated Acquisition Program (AAP). The AAP designation streamlines the process of placing this much-needed equipment into the hands of Marines.

AAO:

I MEF	325	DMFA	
II MEF	312	WRMR	
III MEF	236	NALMEB	
SMCR	271	Other	11
Supt Est	122		
		Total	**1,277**

RELATED SYSTEMS:While TACPHOTO is a stand-alone system, the components that comprise TACPHOTO (less the Digital Video Camera Suite) are each components of MSIDS. The MSIDS is interoperable with the following MAGTF C4ISR systems: Marine Expeditionary Force (MEF) Intelligence Analysis System (IAS), Tactical Exploitation Group (TEG), Intelligence Operations Server (IOS) V1, IOS V2, Intelligence Operations Workstation (IOW), Tactical Remote Sensor System (TRSS), Local Area Network (LAN), or Secret Internet Protocol Routing Network (SIPRNET

<u>OUTSTANDING ISSUES</u>:

- Currently only enough Defense Emergency Response Fund (DERF) funding was available to purchase 722 of the TACPHOTO AAO of 1277 cameras. Additional funding is required in order to complete the AAO and maintain the current fielded cameras.

- TACPHOTO is a spiral development effort in that the major components (all COTS) are refreshed on a periodic basis to keep up with reasonable advances in technology; hence, PMC and RDTE will be required throughout the life of the program.

- TACPHOTO very low risk if adequate funding is provided throughout program. Due to no budget, risk to current investment of 722 cameras will increase as this commercial equipment ages. For the near-term, the cost, schedule and performance risks remain minimal based upon the following:

- **COTS equipment has been utilized.**
- **The limited fielding is FOC and the system has been proven sound.**